METHOD AND DEVICE FOR DUPLEX COMMUNICATION

ABSTRACT OF THE DISCLOSURE

A communication device (100) for duplex communication that includes: a transmitter (106) for transmitting a first voice signal encoded at a first voice coding rate and including first voice data, first error correction data having a first error correction rate and first control data; a receiver (108) for receiving a second signal having a first signal quality and including second control data; and a processing device (118) adapted for performing an algorithm for, estimating the first signal quality, operating in a first mode of operation when the signal quality estimation is above a threshold, wherein the first voice coding rate is adjusted as a function of the first and second control data, and operating in a second mode of operation when the signal quality estimation is below the threshold, wherein the first error correction rate is adjusted as a function of the first and second control data.